

Figure 1 shows EAST inhibition curves of the Phl p 5b mutants using the allergic patient serum pool Bor 18/100. The inhibitors are:

| | | | |
|---------------|----------|----------|-----------|
| ●—● nPhl p 5b | △—△ PM 1 | ◆—◆ DM 1 | ■—■ DM 2 |
| ■—■ rPhl p 5b | ▼—▼ PM 3 | ■—■ DM 3 | G—G DM 2* |

Figure 2 shows EAST inhibition curves of the Phl p 5b mutants using the allergic patient serum pool We 6/97. The inhibitors are:

| | | | |
|---------------|----------|----------|-----------|
| ●—● nPhl p 5b | △—△ PM 1 | ◆—◆ DM 1 | ■—■ DM 2 |
| ■—■ rPhl p 5b | ▼—▼ PM 3 | ■—■ DM 3 | G—G DM 2* |

Figure 3 shows EAST inhibition curves of the Phl p 5b mutants using the allergic patient serum pool II/3.

| | | | |
|---------------|----------|----------|-----------|
| ●—● nPhl p 5b | △—△ PM 1 | ◆—◆ DM 1 | ■—■ DM 2 |
| ■—■ rPhl p 5b | ▼—▼ PM 3 | ■—■ DM 3 | G—G DM 2* |

Figure 4 shows EAST inhibition curves of the Phl p 5b mutants using the allergic patient serum pool II/12.

| | | | |
|---------------|----------|----------|-----------|
| ●—● nPhl p 5b | △—△ PM 1 | ◆—◆ DM 1 | ■—■ DM 2 |
| ■—■ rPhl p 5b | ▼—▼ PM 3 | ■—■ DM 3 | G—G DM 2* |

Figure 5 shows EAST inhibition curves of the Phl p 5b mutants using the allergic patient serum pool II/17.

E2

| | | | |
|---------------|----------|----------|-----------|
| ●—● nPhl p 5b | △—△ PM 1 | ◆—◆ DM 1 | ●—● DM 2 |
| ■—■ rPhl p 5b | ▼—▼ PM 3 | ■—■ DM 3 | ○—○ DM 2* |

Figure 6 shows release of histamine from human basophils after reaction with the allergens and allergen mutants.

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Please delete pages 37-41 in their entirety.

✓
On page 48, the first full paragraph has been deleted in its entirety.

On page 49, the first full paragraph has been amended as follows:

TABLE 7:

E3
Proliferative reaction of Phl p 5b-reactive T cell clones (TCCs) from allergic patients with rPhl p 5b mutants

On page 50, the first full paragraph has been amended as follows:

TABLE 8:

E4
Proliferative reaction of Phl p 5b-reactive T cell clones (TCCs) from allergic patients with rPhl p 5b mutants

On page 51, the first full paragraph has been amended as follows:

TABLE 9:

E5
Proliferative reaction of PhI p 5b-reactive T cell clones (TCCs) from allergic patients
with rPhI p 5b mutants

On page 53, the first full paragraph has been amended as follows:

TABLE 10:

E6
Proliferative reaction of the PhI p 5b-reactive T cell lines (TCLs) from allergic patients
with rPhI p 5b mutants